



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2009
Code: 11981481
SAU: MSAD 04
School: Piscataquis Community Middle S

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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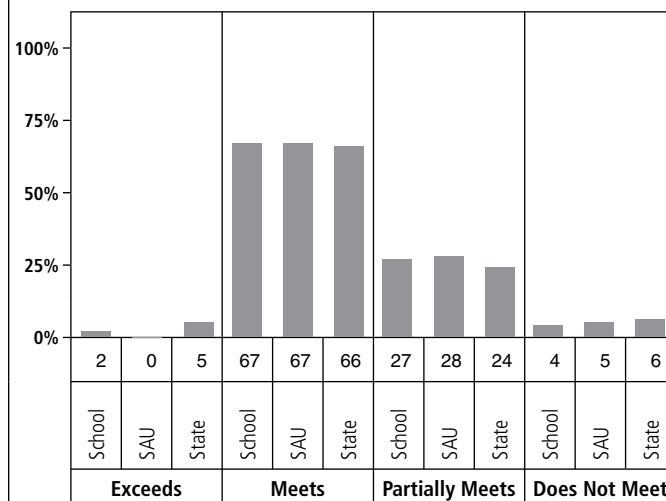
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 04
School: Piscataquis Community Middle S

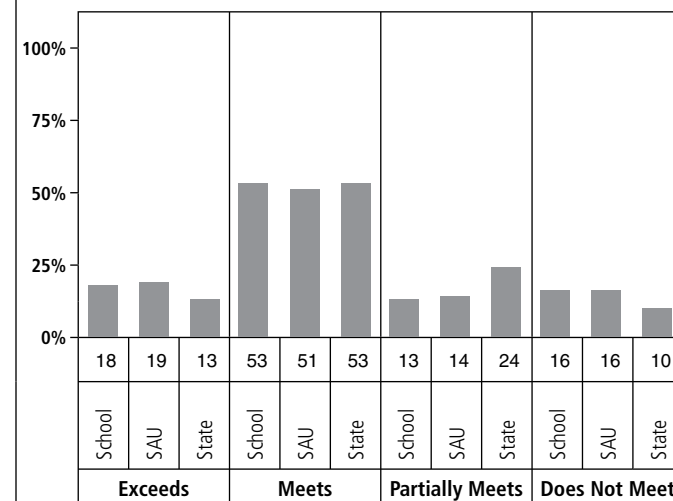
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	446	446	445
2007–2008	446	446	445
2008–2009	447	447	446
Cum. Avg.*	446	446	445
Mathematics			
2006–2007	441	441	445
2007–2008	444	444	445
2008–2009	448	447	446
Cum. Avg.*	444	444	445

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 4
SAU: MSAD 04
School: Piscataquis Community Middle S

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	45	100	43	100	13805	100	45	100	43	100	13737	100	45	100	43	100	13746	100						
Ethnicity African American/Black	1	2	1	2	419	3	1	100	1	100	410	98	1	100	1	100	416	99						
American Indian or Native Alaskan	0	0	0	0	125	1	0	0	0	0	124	99	0	0	0	0	124	99						
Asian or Pacific Islander	0	0	0	0	229	2	0	0	0	0	223	97	0	0	0	0	227	99						
Hispanic	0	0	0	0	149	1	0	0	0	0	148	99	0	0	0	0	148	99						
Caucasian/White	44	98	42	98	12883	93	44	100	42	100	12832	100	44	100	42	100	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	5	11	5	12	2383	17	5	100	5	100	2366	100	5	100	5	100	2364	99						
Current LEP	0	0	0	0	377	3	0	0	0	0	362	96	0	0	0	0	373	99						
Economically disadvantaged	25	56	23	53	5819	42	25	100	23	100	5782	99	25	100	23	100	5788	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	29	64	27	63	10439	76	29	64	27	63	10471	76						
Identified disability (PET/IEP)	1	3	1	4	351	3	1	3	1	4	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	1	3	1	4	92	1	1	3	1	4	90	1						
Participation with accommodations	16	36	16	37	3142	23	16	36	16	37	3138	23						
Identified disability (PET/IEP)	4	25	4	25	1860	59	4	25	4	25	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	2	13	2	13	71	2	2	13	2	13	73	2						
Other	10	63	10	63	1060	34	10	63	10	63	1043	33						
Participation through alternate assessment (PAAP)	0	0	0	0	155	1	0	0	0	0	137	1						
Identified disability (PET/IEP)	0	0	0	0	155	100	0	0	0	0	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	0	0	0	0	57	0	0	0	0	0	48	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2009
Grade:	4
SAU:	MSAD 04
School:	Piscataquis Community Middle S

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	3	5	3	5	507	4
	2007-2008	3	5	3	5	559	4
	2008-2009	1	2	0	0	672	5
	Cum. Total*	7	4	6	4	1738	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	35	63	34	62	8749	63
	2007-2008	38	64	37	64	8308	59
	2008-2009	30	67	29	67	8917	66
	Cum. Total*	103	64	100	64	25974	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	11	20	11	20	3467	25
	2007-2008	13	22	13	22	3922	28
	2008-2009	12	27	12	28	3241	24
	Cum. Total*	36	23	36	23	10630	26
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	7	13	7	13	1165	8
	2007-2008	5	8	5	9	1264	9
	2008-2009	2	4	2	5	751	6
	Cum. Total*	14	9	14	9	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	32.1	66.9	31.7	66.0	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	16.4	68.3	16.2	67.5	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	15.7	65.4	15.5	64.6	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 04
 School: Piscataquis Community Middle S

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	45	1	2	30	67	12	27	2	4	447	43	0	67	28	5	447	13581	5	66	24	6	446
Ethnicity																						
African American/Black	1										1						408	2	51	31	16	441
American Indian or Native Alaskan	0										0						122	1	59	34	6	444
Asian or Pacific Islander	0										0						221	9	62	22	7	447
Hispanic	0										0						146	1	64	28	6	445
Caucasian/White	44	1	2	30	68	12	27	1	2	448	42	0	69	29	2	447	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	0	0	3	60	2	40	434	5	0	0	60	40	434	2211	1	39	42	18	439
No	40	1	3	30	75	9	23	0	0	449	38	0	76	24	0	448	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	45	1	2	30	67	12	27	2	4	447	43	0	67	28	5	447	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	25	1	4	14	56	8	32	2	8	445	23	0	57	35	9	444	5677	2	57	32	9	443
No	20	0	0	16	80	4	20	0	0	450	20	0	80	20	0	450	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	45	1	2	30	67	12	27	2	4	447	43	0	67	28	5	447	13575	5	66	24	6	446
Gender																						
Female	23	1	4	18	78	3	13	1	4	450	22	0	82	14	5	450	6580	7	68	21	5	448
Male	22	0	0	12	55	9	41	1	5	444	21	0	52	43	5	444	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	5	56	3	33	1	11	440	9	0	56	33	11	440	2127	1	48	42	9	441
No	36	1	3	25	69	9	25	1	3	449	34	0	71	26	3	448	11454	6	69	20	5	447
Gifted/talented program																						
Yes	0										0						324	27	72	1	0	458
No	45	1	2	30	67	12	27	2	4	447	43	0	67	28	5	447	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 04
School: Piscataquis Community Middle S

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	11	0	0	2	40	2	40	1	20	437	12	0	40	40	20	437	4	2	45	36	17	441
B. less than one hour	76	1	3	24	71	9	26	0	0	449	74	0	72	28	0	449	75	5	67	23	4	447
C. one to two hours	13	0	0	4	67	1	17	1	17	445	14	0	67	17	17	445	18	5	67	23	5	447
D. more than two hours	0										0						2	3	45	36	16	442
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	41	1	6	15	83	2	11	0	0	453	40	0	88	12	0	452	40	8	71	17	4	449
B. good	45	0	0	11	55	8	40	1	5	444	45	0	53	42	5	443	45	3	66	25	5	446
C. fair	11	0	0	4	80	1	20	0	0	449	12	0	80	20	0	449	13	1	54	35	10	442
D. poor	2	0	0	0	0	0	0	1	100	426	2	0	0	0	100	426	2	0	39	42	19	439
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	11	0	0	3	60	2	40	0	0	444	12	0	60	40	0	444	31	8	69	19	4	448
B. They match some of what I have learned.	71	1	3	23	72	8	25	0	0	449	70	0	73	27	0	448	53	4	68	23	4	447
C. They match just a little of what I have learned.	16	0	0	4	57	2	29	1	14	445	16	0	57	29	14	445	11	2	54	35	10	442
D. There is no match.	2	0	0	0	0	0	0	1	100	426	2	0	0	0	100	426	4	1	39	40	20	439
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	18	0	0	3	38	3	38	2	25	439	19	0	38	38	25	439	19	4	54	31	11	443
B. about the same as my regular schoolwork	62	1	4	22	79	5	18	0	0	450	60	0	81	19	0	449	63	6	69	22	4	447
C. easier than my regular schoolwork	20	0	0	5	56	4	44	0	0	447	21	0	56	44	0	447	18	4	68	23	5	446
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	11	0	0	1	20	3	60	1	20	438	12	0	20	60	20	438	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	56	0	0	16	64	8	32	1	4	446	58	0	64	32	4	446	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	33	1	7	13	87	1	7	0	0	453	30	0	92	8	0	452	35	9	72	16	3	449
How much time do you spend reading at home each day?																						
A. more than one hour	22	1	10	6	60	2	20	1	10	449	21	0	67	22	11	447	21	8	68	19	5	448
B. 20 minutes to an hour	42	0	0	15	79	4	21	0	0	450	42	0	78	22	0	450	55	5	70	21	4	447
C. less than 20 minutes	29	0	0	9	69	4	31	0	0	446	30	0	69	31	0	446	13	2	57	33	8	443
D. I rarely read at home.	7	0	0	0	0	2	67	1	33	431	7	0	0	67	33	431	11	1	51	37	11	442
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	42	0	0	12	63	6	32	1	5	446	44	0	63	32	5	446	25	3	59	30	8	444
B. six to ten pages	11	0	0	5	100	0	0	0	0	451	9	0	100	0	0	450	24	4	64	26	6	445
C. eleven or more pages	47	1	5	13	62	6	29	1	5	448	47	0	65	30	5	447	51	7	70	20	4	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date:	March 2009
Grade:	4
SAU:	MSAD 04
School:	Piscataquis Community Middle S

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	1	2	1	2	1054	8
	2007-2008	2	3	2	3	1321	9
	2008-2009	8	18	8	19	1712	13
	Cum. Total*	11	7	11	7	4087	10
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	32	58	31	57	7394	53
	2007-2008	35	59	34	59	7079	51
	2008-2009	24	53	22	51	7270	53
	Cum. Total*	91	57	87	56	21743	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	8	15	8	15	3729	27
	2007-2008	17	29	17	29	3955	28
	2008-2009	6	13	6	14	3219	24
	Cum. Total*	31	19	31	20	10903	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	14	25	14	26	1735	12
	2007-2008	5	8	5	9	1642	12
	2008-2009	7	16	7	16	1408	10
	Cum. Total*	26	16	26	17	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	31.6	65.8	31.3	65.2	30.8	64.2
A. Number	20	42	13.5	67.5	13.4	67.0	12.5	62.5
B. Data	8	17	4.7	58.8	4.7	58.8	5.3	66.3
C. Geometry	10	21	6.9	69.0	6.9	69.0	6.5	65.0
D. Algebra	10	21	6.4	64.0	6.4	64.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 04
 School: Piscataquis Community Middle S

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	45	8	18	24	53	6	13	7	16	448	43	19	51	14	16	447	13609	13	53	24	10	446
Ethnicity																						
African American/Black	1										1						415	5	41	30	24	439
American Indian or Native Alaskan	0										0						123	12	46	28	13	445
Asian or Pacific Islander	0										0						225	22	45	20	12	448
Hispanic	0										0						147	3	58	30	10	443
Caucasian/White	44	8	18	24	55	6	14	6	14	448	42	19	52	14	14	448	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	2	40	0	0	3	60	429	5	0	40	0	60	429	2227	3	34	33	30	437
No	40	8	20	22	55	6	15	4	10	450	38	21	53	16	11	449	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	45	8	18	24	53	6	13	7	16	448	43	19	51	14	16	447	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	25	1	4	16	64	3	12	5	20	444	23	4	61	13	22	443	5704	6	48	30	16	442
No	20	7	35	8	40	3	15	2	10	452	20	35	40	15	10	452	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	45	8	18	24	53	6	13	7	16	448	43	19	51	14	16	447	13603	13	53	24	10	446
Gender																						
Female	23	6	26	13	57	2	9	2	9	452	22	27	55	9	9	452	6591	12	54	24	11	446
Male	22	2	9	11	50	4	18	5	23	443	21	10	48	19	24	442	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	3	33	4	44	2	22	438	9	0	33	44	22	438	2131	3	41	38	18	440
No	36	8	22	21	58	2	6	5	14	450	34	24	56	6	15	449	11478	14	56	21	9	448
Gifted/talented program																						
Yes	0										0						324	64	34	2	0	464
No	45	8	18	24	53	6	13	7	16	448	43	19	51	14	16	447	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 04
School: Piscataquis Community Middle S

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	11	0	0	2	40	2	40	1	20	440	12	0	40	40	20	440	4	4	37	30	28	438
B. less than one hour	76	8	24	19	56	3	9	4	12	450	74	25	53	9	13	450	75	13	55	23	9	447
C. one to two hours	13	0	0	3	50	1	17	2	33	437	14	0	50	17	33	437	18	12	54	24	10	446
D. more than two hours	0										0						2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	4	33	7	58	1	8	0	0	456	28	33	58	8	0	456	37	22	56	16	7	451
B. good	47	4	19	12	57	2	10	3	14	448	44	21	53	11	16	447	45	9	56	25	9	446
C. fair	20	0	0	4	44	3	33	2	22	441	21	0	44	33	22	441	14	3	46	34	17	440
D. poor	7	0	0	1	33	0	0	2	67	431	7	0	33	0	67	431	3	2	33	35	29	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	47	6	29	12	57	2	10	1	5	452	44	32	53	11	5	452	35	19	56	19	7	450
B. They match some of what I have learned.	40	1	6	10	56	4	22	3	17	445	42	6	56	22	17	445	51	11	56	25	8	446
C. They match just a little of what I have learned.	11	1	20	2	40	0	0	2	40	441	12	20	40	0	40	441	10	5	43	31	21	440
D. There is no match.	2	0	0	0	0	0	0	1	100	424	2	0	0	0	100	424	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	16	0	0	3	43	1	14	3	43	435	16	0	43	14	43	435	17	5	44	31	20	441
B. about the same as my regular schoolwork	60	6	22	15	56	2	7	4	15	449	58	24	52	8	16	449	62	13	57	23	7	448
C. easier than my regular schoolwork	24	2	18	6	55	3	27	0	0	452	26	18	55	27	0	452	21	18	53	19	10	449
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	2	0	0	0	0	0	0	1	100	424	2	0	0	0	100	424	7	6	36	32	27	438
B. 30–45 minutes	49	3	14	10	45	5	23	4	18	443	49	14	43	24	19	442	25	7	52	28	12	444
C. 45–60 minutes	44	5	25	13	65	1	5	1	5	455	44	26	63	5	5	454	38	14	56	22	8	448
D. more than 60 minutes	4	0	0	1	50	0	0	1	50	442	5	0	50	0	50	442	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	0										0						3	4	36	31	28	438
B. two or three days a week	0										0						12	13	51	26	10	446
C. two or three times each month	22	2	20	6	60	2	20	0	0	452	19	25	50	25	0	451	32	15	58	20	7	449
D. never or almost never	78	6	17	18	51	4	11	7	20	446	81	17	51	11	20	446	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	32	0	0	7	50	2	14	5	36	438	31	0	46	15	38	436	26	12	50	25	13	445
B. two or three days a week	30	2	15	7	54	3	23	1	8	450	29	17	50	25	8	449	32	14	57	21	7	448
C. two or three times each month	27	5	42	5	42	1	8	1	8	455	29	42	42	8	8	455	26	13	56	22	8	448
D. never or almost never	11	1	20	4	80	0	0	0	0	452	12	20	80	0	0	452	17	9	50	27	13	444
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

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